

Applicant: O'Leary et al.
For: FOLDING GROOMING TABLE STEP SYSTEM

- 1 1. A folding grooming table step system comprising:
2 a frame including :
3 a U-shaped angled forward member forming two spaced legs and a
4 connecting base member,
5 a U-shaped vertically disposed rearward member hinged to the
6 forward member and including two spaced legs connected by a base
7 member, and
8 a connecting rod spanning the two spaced legs of the rearward
9 member;
10 a plurality of wide, deeply offset steps with a low rise each hingedly
11 connected to the angled forward member; and
12 a pair of bracket members each hingedly connected to the steps and each
13 including an elongated guide channel through which the connecting rod
14 extends to allow the steps and the rearward frame member to fold
15 proximate the forward frame member,
16 each elongated channel including a detent which releasably locks
17 the connecting rod with respect to the bracket members when the steps and
18 the rearward frame member are unfolded.

- 1 2. The system of claim 1 in which there are three steps each wider than 12

2 inches, each deeper than 6 inches, each having a rise less than nine inches, each having an
3 offset greater than seven inches.

1 3. The system of claim 1 in which the width of each step is greater than 14
2 inches.

1 4. The system of claim 1 in which the width of each step is greater than 16
2 inches.

1 5. The system of claim 1 in which the offset between adjacent steps is greater
2 than seven inches.

1 6. The system of claim 1 in which the depth of the steps is greater than 8
2 inches.

1 7. The system of claim 1 in which the depth of the steps is greater than 10
2 inches.

1 8. The system of claim 1 in which the rise of the steps is less than nine
2 inches.

1 9. The system of claim 1 in which there are bushings between each step and
2 the bracket members.

1 10. The system of claim 1 in which further including rubber feet on the bottom
2 of the forward member and the rearward member.

1 11. The system of claim 1 in which each step include a grooved rubber
2 covering.

1 12. The system of claim 1 in which the steps are constructed of chrome plated
2 steel.

1 13. The system of claim 1 in which the U-shaped angled forward frame
2 member is square in cross section.

1 14. The system of claim 1 in which the majority of the U-shaped vertically
2 disposed rearward frame member is round in cross section.

1 15. The system of claim 1 in which the hinged connection between the U-
2 shaped vertically disposed rearward frame member and the U-shaped angled forward
3 frame member comprises a distal tang extending from each leg of the U-shaped vertically
4 disposed rearward frame member each received in a slot formed in each leg of the U-
5 shaped angled forward frame member

1 16. A step system comprising:
2 an angled forward frame portion;
3 a rearward frame portion hinged to the forward frame portion; and
4 a plurality of steps each hingedly connected to the angled forward
5 frame portion, each step wider than 12 inches, deeper than 6 inches, having a rise less
6 than 9 inches, and having an offset between adjacent steps greater than 7 inches.

1 17. The system of claim 16 in which the angled forward frame portion
2 includes two spaced legs.

1 18. The system of claim 16 in which the rearward frame portion includes two
2 spaced legs.

1 19. The system of claim 18 further including a connecting rod spanning the
2 two spaced legs of the rearward frame portion.

1 20. The system of claim 19 further including a pair of bracket members each
2 hingedly connected to the steps and each including an elongated guide channel through
3 which the connecting rod extends to allow the steps and the rearward frame portion to
4 fold proximate the forward frame portion.

1 21. A folding grooming table step system comprising:
2 a frame including:
3 an angled forward frame portion,
4 a rearward frame portion including spaced legs hinged to the
5 forward frame portion,
6 a connecting rod spanning the two spaced legs of the rearward frame
7 portion;
8 a plurality of steps each hingedly connected to the angled forward portion,
9 each step wider than 12 inches and deeper than 6 inches, each step having a rise less than
10 9 inches and an offset greater than 7 inches; and
11 a pair of bracket members each hingedly connected to the steps and each
12 including an elongated guide channel through which the connecting rod extends to allow
13 the steps and the rearward frame portion to fold proximate the forward frame portion.

1 22. The system of claim 21 in which the angled forward frame portion
2 includes two spaced legs and a connecting base member.

1 23. The system of claim 21 in which the rearward frame portion includes a
2 base member connecting the two spaced legs.

1 24. A folding grooming table step system comprising:
2 a U-shaped angled forward member forming two space legs and a
3 connecting base member;
4 a U-shaped vertically disposed rearward member hinged to the forward
5 member and including two spaced legs connected by a base member;
6 a connecting rod spanning the two spaced legs of the rearward member;
7 a plurality of steps each hingedly connected to the angled forward
8 member; and
9 a pair of bracket members each hingedly connected to opposite sides of the
10 steps and each including an elongated guide channel through which the connecting rod
11 extends to allow the steps and the rearward member to fold proximate the forward
12 member

- 1 25. A folding step system comprising:
2 a foldable frame:
3 three wide steps each hingedly connected to the foldable frame, each step
4 wider than 12 inches, deeper than 6 inches, having a rise less than 9 inches, and each
5 adjacent step offset by a distance greater than 7 inches, the top step being at least 24
6 inches high.